

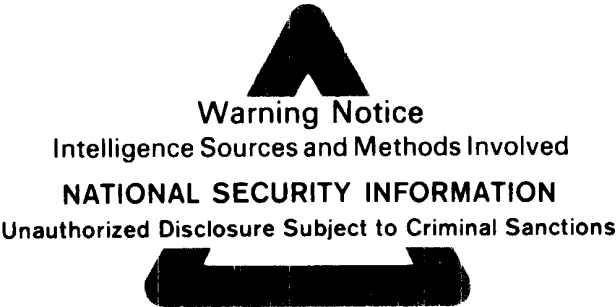
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(c) NATIONAL PHOTOGRAPHIC INTERPRETATION CENTERPage 1 of 3Copy 37Attachment to Z-12715/83
NPIC/IEG (7/83)
18 JULY 1983**NEW ENGINEERING VEHICLES**
AKHTYRKA, USSR (SWN)

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1. **SIGNIFICANCE:** THIS IS THE FIRST IDENTIFICATION OF THREE NEW TYPES OF SOVIET ENGINEERING VEHICLES. THE THREE NEW ENGINEERING VEHICLES AT AKHTYRKA TRAINING AREA (GRAPHIC 1) ON ☐ ARE ASSIGNED INTERIM DESIGNATORS BY NPIC AS THE AKHTYRKA-01 BAT AND AKHTYRKA-01 TRENCHER (GRAPHIC 2), AND KHARKOV-01 ENGINEERING VEHICLE (GRAPHIC 3). EIGHT ADDITIONAL TYPES OF NEWER ENGINEERING VEHICLES WERE ALSO HERE. OF THESE, FIVE WERE SEEN AT AKHTYRKA FOR THE FIRST TIME. THREE OF THESE HAD NEVER BEFORE BEEN IDENTIFIED ON SATELLITE IMAGERY. (SWN) 25X1
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2. **REMARKS:** THE AKHTYRKA-01 BAT CONSISTS OF AN UNIDENTIFIED TRACTOR, MEASURING APPROXIMATELY ☐ WITH A HINGED V-SHAPED DOZER BLADE. THE AKHTYRKA-01 TRENCHER CONSISTS OF A TRENCH-DIGGING APPARATUS MOUNTED ON THE SAME TRACTOR. IMAGERY INTERPRETABILITY PRECLUDES DETERMINING IF THIS TRACTOR IS WHEELED OR TRACKED. THE KHARKOV-01 ENGINEERING VEHICLE IS COMPOSED OF A KHARKOV-01 CHASSIS EQUIPPED WITH A HINGED DOZER BLADE AND A PROBABLE TELESCOPING ARMORED HYDRAULIC CRANE BOOM. (SWN) 25X1

THE OTHER ENGINEERING VEHICLES INCLUDE THE EOY-4421 TRUCK-MOUNTED BACKHOE AND ABS (W) WHEELED BRIDGING SYSTEM (GRAPHIC 2); USM BRIDGE BUILDING SET; A POSSIBLE UNDERWATER PONTON BRIDGE (FORMERLY KNOWN AS THE MEDIUM TREADWAY BRIDGE) (GRAPHIC 3); AND THE BGM-1 AUGER, ATMC M-1979 TRACKED MINE CLEARER, MDK-3 TRACKED ROTARY EXCAVATOR AND ABS (T) TRACKED AMPHIBIOUS BRIDGING SYSTEM (GRAPHIC 4). THE ABS (W) HAD BEEN PREVIOUSLY NAMED THE BROVARY RIVER-CROSSING VEHICLE. THIS WAS THE FIRST IDENTIFICATION OF THE EOY-4421, USM SET, AND BGM-1 ON SATELLITE IMAGERY. (SWN)

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THE EOY-4421 IS A MODERNIZED VERSION OF THE E-305V BACKHOE. ITS HYDRAULIC DRIVE SYSTEM BOOM IS AN IMPROVEMENT OVER THE CABLE DRIVE SYSTEM OF THE E-305V. THE USM SET IS AN IMPROVED VERSION OF THE KMS SET. WHILE THE KMS SET CONSISTS OF TWO PILEDRIVERS AND TWO SUPPORT TRUCKS, THE USM SET IS COMPOSED OF A SINGLE PILEDRIVER TRUCK AND TWO SUPPORT TRUCKS. THE PILEDRIVER TRUCK OF THE USM SET CONTAINS FOUR PILING HAMMERS IN CONTRAST WITH THE PILEDRIVER OF THE KMS SET WHICH HAS TWO PILING HAMMERS ON EACH TRUCK. THE BGM-1 HAS AN EARTH AUGER ON A ZIL-131 TRUCK. (SWN)

THE UNDERWATER BRIDGE, ACCORDING TO COLLATERAL SOURCES, RESEMBLES THE KMM BRIDGE. SOURCES STATED THAT THE BRIDGE IS ASSEMBLED ACROSS WATER AND THEN SUBMERGED BY LOWERING IT ON ADJUSTABLE SUPPORTS. ONE SOURCE WAS STATIONED AT BOBRUYSK HQ TK ARMY/TK DIV/AB AL 2 () IN THE BELORUSSIAN MILITARY DISTRICT. THE BRIDGE DESCRIBED APPEARS LIKE THE MEDIUM TREADWAY BRIDGE SEEN AT AKHTYRKA. (SWN)

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THE ABS (T) AND MDK-3 ARE ALSO MOUNTED ON A KHARKOV-01 CHASSIS. THE KHARKOV-01, MEASURING () HAS SEVEN ROAD WHEELS AND A LARGE CAB OVER THE ENGINE. BOTH VEHICLES HAVE BEEN SEEN IN THE USSR AND (). BOTH ABS VEHICLES ARE ASSESSED TO HAVE A DUAL USE AS A BRIDGE OR SINGLE-VEHICLE FERRY. THEY ARE REPLACING/AUGMENTING THE OLDER, GSP FERRY AND PMP PONTON BRIDGE. (SWN)

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THE NUMBERS OF EACH OF THE 11 TYPES OF ENGINEER EQUIPMENT PRESENT AT AKHTYRKA INCLUDED: THREE AKHTYRKA-01 BATS, SIX AKHTYRKA-01 TRENCHERS, FOUR KHARKOV-01 ENGINEERING VEHICLES, TEN EOY-4421 BACKHOES, TWO USM SETS, TEN BGM-1 AUGERS, TWO ATMC M-1979 MINE CLEARERS, THREE MDK-3 EXCAVATORS, 18 UNDERWATER BRIDGE SECTIONS, 16 ABS (T), AND 26 ABS (W). (SWN)

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ANALYST'S COMMENTS -- AKHTYRKA TRAINING AREA AND AKHTYRKA ARMY BARRACKS AL-1 () ARE LISTED BY DIA AS FACILITIES HOUSING AN ENGINEER REGIMENT SUBORDINATE TO THE KIEV MILITARY DISTRICT. EQUIPMENT NUMBERS AND TYPES INDICATE THAT AN ENGINEER UNIT MUCH LARGER THAN A REGIMENT IS HOUSED HERE. AN ENGINEER BRIGADE IS AT BROVARY ARMY BARRACKS AL-1

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() 186 NM WEST OF AKHTYRKA. BOTH UNITS ARE INVOLVED WITH THE TESTING OF NEW ENGINEER EQUIPMENT. (SWN)

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3. () COORDINATES 50-19-19N 034-48-37E (S)

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4. COLLATERAL REFERENCES -- CIA, () AN UNIDENTIFIED INDEPENDENT ENGINEER ROAD AND BRIDGE CONSTRUCTION BATTALION IN BOBRUYSK, BELORUSSIAN MILITARY DISTRICT, ITEM 2, 12 NOVEMBER 1980, (C/WNINTEL)

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DIA, DDB-1100-UR-81, GROUND ORDER OF BATTLE -- USSR (U), JANUARY 1981, ()

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